

## REMARKS:

*Wording has been improved compared to the Article 19 claims translation provided by the inventor, as the international preliminary opinion had shown that although the description distinguish the step of the preparation of the product and the step of use of the product, insufficiently specific terms in the claims may lead to a wrong assessment of the invention.*

*The statement accompanying Article 19 claims has been translated since it provided the elements for the examiner to carry the International Preliminary Examination, which determined the positive motivated statement under Article 35.2.*

*Art. 19 claim 1 is amended for nat. stage entry as claim 1 (CURRENTLY AMENDED):*

- *To introduce a non characterizing part*
- *To distinguish the terms for the different half-life referred to as the invention is essentially a process to modify the initial half-life of isomer nuclides excited to a metastable state*

*Article 19 claim 2 is sub-divided into two claims pointing out separately at*

- *A class of isomer nuclides having a theoretical half-life within a specified range, for national stage entry as claim 2 (CURRENTLY AMENDED),*
- *And the class of isomer nuclides being radioactive isotopes, for national stage entry as claim 3 (CURRENTLY AMENDED).*

*Article 19 claim 3 is sub-divided into two claims pointing out separately at*

- *A class of "entangled" samples in any physical or chemical forms, for national stage entry as claim 4 (CURRENTLY AMENDED),*
- *And a class of "entangled" samples comprising isomer nuclides in more specific forms and mixture, for nat. stage entry as claim 4 (CURRENTLY AMENDED).*

*Art. 19 claim 4 is amended for nat. stage entry as claim 6 (CURRENTLY AMENDED):*

- *Minor rewording is done.*

*Art. 19 claim 5 is amended for nat. stage entry as claim 7 (CURRENTLY AMENDED):*

- *Minor rewording is done*
- *Terminology is adapted to claim 1 rewording*
- *Range is restricted because 100% was not acceptable as it corresponded to the normally excited isomer nuclides.*

*Art. 19 claim 6 is amended for nat. stage entry as claim 8 (CURRENTLY AMENDED):*

- *Minor rewording is done.*

*Art. 19 claim 7 is amended for nat. stage entry as claim 9 (CURRENTLY AMENDED):*

- *Minor rewording is done.*

*Art. 19 claim 8 is amended for nat. stage entry as claim 10 (CURRENTLY AMENDED):*

- *The non characterizing part is augmented*
- *Rewording is done in order to adapt to claim 1 rewording.*

*Art. 19 claim 9 is amended for nat. stage entry as claim 11 (CURRENTLY AMENDED):*

- *Minor rewording is done.*

*Art. 19 claim 10 is amended for nat. stage entry as claim 12 (CURRENTLY AMENDED):*

- *Minor rewording is done in order to adapt to claim 1 rewording.*
- *This independent claim of use is restricted to a single descriptive dependency to avoid the difficulty associated with multiple dependent claims.*

*Art. 19 claim 11 is amended for nat. stage entry as claim 13 (CURRENTLY AMENDED):*

- *Minor rewording is done in order to adapt to claim 1 rewording.*

*Art. 19 claim 12 is amended for nat. stage entry as claim 14 (CURRENTLY AMENDED):*

- *Minor rewording is done.*

*Art. 19 claim 13 is amended for nat. stage entry as claim 15 (CURRENTLY AMENDED):*

- *Minor rewording is done.*

*Art. 19 claim 14 is amended for nat. stage entry as claim 16 (CURRENTLY AMENDED):*

- *Minor rewording is done in order to adapt to claim 1 rewording.*

*Art. 19 claim 15 is amended for nat. stage entry as claim 17 (CURRENTLY AMENDED):*

- *Minor rewording is done in order to adapt to claim 1 rewording.*

*Art. 19 claim 16 is amended for nat. stage entry as claim 18 (CURRENTLY AMENDED):*

- *Article 19 claim 16 was malformed*
- *Rewording is done in order to make it a dependent claim of claim 12, which is being entered for the nat. stage.*